



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141044

Mode: Highway

Status: Submitted

SR-1605 (Old US 421)

From/Cross Street: SR 1146 (Shacktown Road)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: SR 1711 (Speer Bridge Road)

Project Category: Division Needs

Length: 0.18

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$31,443,000

Description:

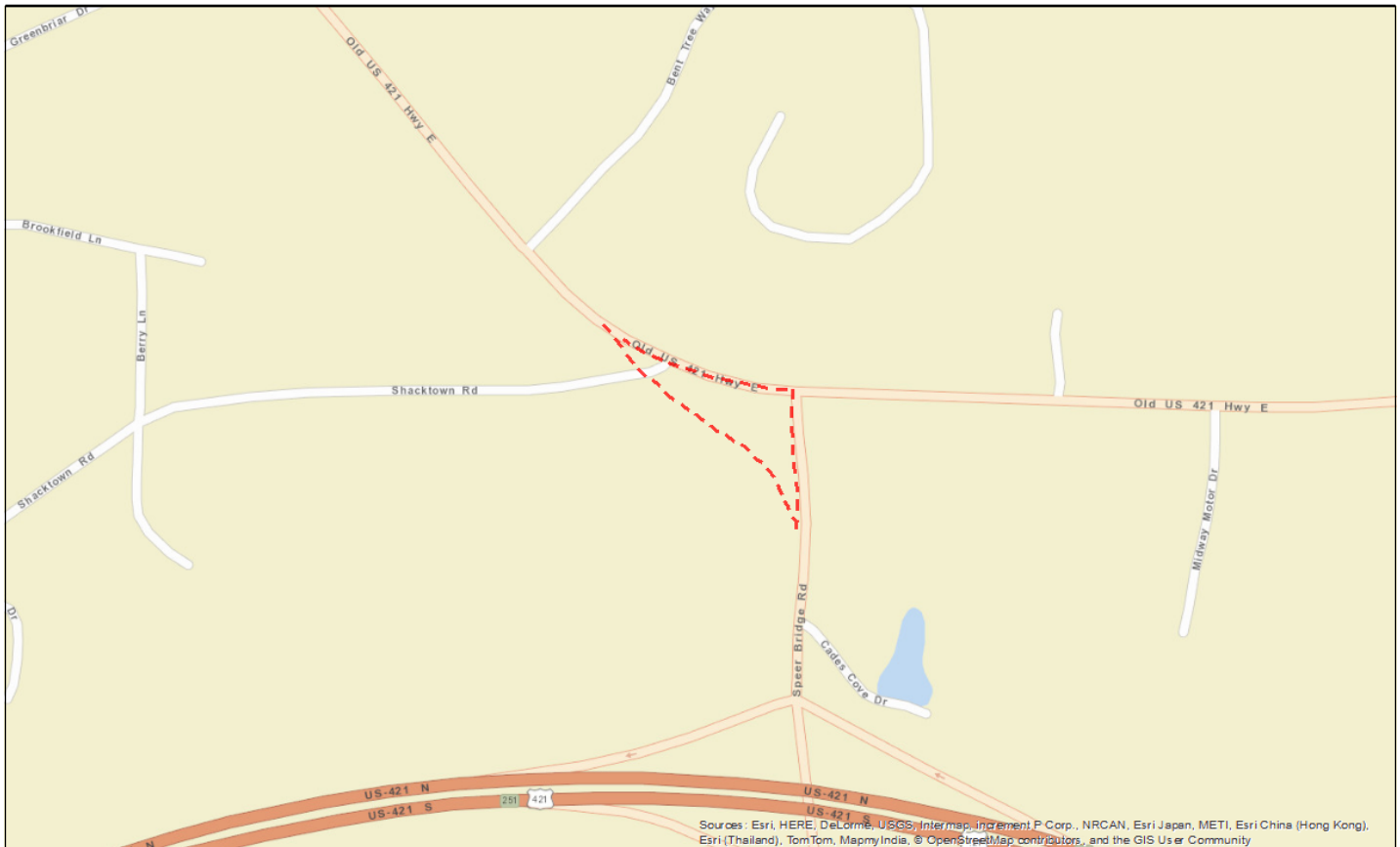
Construct new roadway to realign SR 1605 (Old US 421) with SR 1711 (Speer Bridge Road) and construct a roundabout at the intersection with SR 1146 (Shacktown Road).

Division(s): Division 11

County(s): YADKIN

MPOS(s)/RPO(s): Northwest Piedmont RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 51.85

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 18.57 Safety (10%) 78.81 [Travel Time] Benefit/Cost (20%) 0.01	Percent: 25% Points: 100	Percent: 25% Points: 61
Totals: Weight: 50% Weighted Score: 11.6		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	0.2
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Collector
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	4290.21
Capacity:	15269.14
Volume/Capacity Ratio:	0.28
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	100
Crash Severity:	66.7
Critical Crash Rate:	69.76
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	91
Actual Congested Speed:	40.83
Travel Time Index:	1.35

Project Benefits

Project Cross-Section:	2A - 2 Lane Undivided with Paved Shoulders, 55 mph
Speed Limit:	55
Length (miles):	0.18
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	17275.35
Travel Time Savings for 30 Years (Autos):	17275.35
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 11

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 11	100%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Northwest Piedmont RPO	100%	0	61
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	61

Project Cost and Source

Construction Cost:	\$25,628,000	Cost Estimation Tool
Right-of-Way Cost:	\$5,192,000	Cost Estimation Tool
Utilities Cost:	\$623,000	Cost Estimation Tool
Total Project Cost:	\$31,443,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$31,443,000	